

AMENDED  
**TEMPORARY**

Serial No. **50816T**

**APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER  
OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE  
STATE OF NEVADA HERETOFORE APPROPRIATED**

Date of filing in State Engineer's Office OCT - 8 1991

Returned to applicant for correction \_\_\_\_\_

Corrected application filed \_\_\_\_\_ Map filed \_\_\_\_\_

The applicant Brady Power Partners

6200 S. Syracuse Way, Suite 125 of Englewood

Street and No. or P.O. Box No.

City or Town

Colorado, 80111

State and Zip Code No.

hereby make \_\_\_\_\_ application for permission to change the

Point of Diversion of a Portion and place of use of a portion

Point of diversion, manner of use, and/or place of use

of water heretofore appropriated under Permit 49946

Identify existing right by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and

Identify right in Decree.

1. The source of water is Underground  
Name of stream, lake, underground spring or other source.
2. The amount of water to be changed 1.0 CFS  
Second foot, acre feet. One second foot equals 448.83 gallons per minute.
3. The water to be used for Industrial and Domestic (Geothermal Power)  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.
4. The water heretofore permitted for Industrial and Domestic (Geothermal Power)  
Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.
5. The water is to be diverted at the following point within the NW $\frac{1}{4}$  SE $\frac{1}{4}$  of Section 1, T22N.,  
Describe as being within a 40-acre subdivision of public survey and by course and  
R26E., M.D.M. or at a point from which the South one-quarter corner of said  
distance to a section corner. If on unsurveyed land, it should be stated.  
Section bears S. 9 $^{\circ}$  30' W., a distance of 2200' (Well 55A-1)
6. The existing permitted point of diversion is located within NW $\frac{1}{4}$  SE $\frac{1}{4}$  section 1, T22N, R26E,  
If point of diversion is not changed, do not answer.  
MDB & M, located N 58 $^{\circ}$  29' 40" E 4169.19 feet from the NW corner section 12,  
T22N, R26E, MDB & M
7. Proposed place of use SE $\frac{1}{4}$  Section 1, T22N., R26E., M.D.M.  
Describe by legal subdivisions. If for irrigation state number of acres to be irrigated.
8. Existing place of use within the SW $\frac{1}{4}$  NW $\frac{1}{4}$  Section 12, T22N, R26E, MDB & M.  
Describe by legal subdivisions. If permit is for irrigation, state number of acres irrigated. If changing place of use and/or  
manner of use of irrigation permit, describe acreage to be removed from irrigation.
9. Use will be from January 1 to December 31 of each year.  
Month and Day Month and Day
10. Use was permitted from January 1 to December 31 of each year.  
Month and Day Month and Day
11. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and  
specifications of your diversion or storage work.) Geothermal production well and piping to  
State manner in which water is to be diverted, i.e. diversion structure,  
geothermal power plant facilities and injection well  
ditches, pipes and flumes, or drilled well, etc.
12. Estimated cost of works well \$500,000
13. Estimated time required to construct works 1 year

14. Estimated time required to complete the application of water to beneficial use 3 years

15. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use:

This well will be one of an estimated 7 to 15 production and injection wells to be drilled in order to supply geothermal heat to a power generating facility at Brady Hot Springs. Existing point of diversion is shown on map supporting application 49946.

By s/ G. Martin Booth  
251 Ralston Street  
Reno, NV 89503

Compared am/se am/se

Protested \_\_\_\_\_

### APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This temporary permit to change the point of diversion of a portion of the geothermal fluid heretofore granted under Permit 49946 is issued subject to the terms and conditions imposed in said Permit 49946 and with the understanding that no other rights on the source will be affected by the changed proposed herein.

This temporary permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the (CONTINUED ON PAGE 2)

The amount of water to be changed shall be limited to the amount which can be applied to beneficial use, and not to exceed 1.00 cubic feet per second, but not to exceed 724 acre-  
feet annually.

Work must be prosecuted with reasonable diligence and be completed on or before \_\_\_\_\_

Proof of completion of work shall be filed before \_\_\_\_\_

Application of water to beneficial use shall be made on or before \_\_\_\_\_

Proof of the application of water to beneficial use shall be filed on or before \_\_\_\_\_

Map in support of proof of beneficial use shall be filed on or before \_\_\_\_\_

Completion of work filed \_\_\_\_\_

Proof of beneficial use filed \_\_\_\_\_

Cultural map filed \_\_\_\_\_

Certificate No. \_\_\_\_\_ Issued \_\_\_\_\_

IN TESTIMONY WHEREOF, I, R. MICHAEL TURNIPSEED, P.E.  
 State Engineer of Nevada, have hereunto set my hand and the seal of my  
 office, this 19th day of November,

A.D. 19 91

[Signature]  
 State Engineer

NOTED BY aggs JUN 29 1992  
[Signature] P.E. STATE ENGINEER

## (PERMIT TERMS CONTINUED)

injection well and/or other analyses of the system used for returning the used geothermal fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total combined withdrawal of the geothermal fluid under Permits 49946, 56816-T and 56818-T shall be limited to 2466.30 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 20% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This temporary permit is issued pursuant to the provisions of NRS 533.345 Section 2 and will expire on November 20, 1992 at which time all rights herein granted shall revert to the right being changed by this temporary permit.

